

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10924	esterase\$1	US-PGPUB; USPAT	AND	OFF	2004/01/30 16:37
L2	177	aquifex or pyrophilus	US-PGPUB; USPAT	AND	OFF	2004/01/30 16:38
L3	5	1 same 2	US-PGPUB; USPAT	AND	OFF	2004/01/30 16:46

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:46:41 ON 30 JAN 2004

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,  
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:47:00 ON 30 JAN 2004  
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s esterase#

FILE 'MEDLINE'

L1 22180 ESTERASE#

FILE 'SCISEARCH'

L2 13499 ESTERASE#

FILE 'LIFESCI'

L3 5698 ESTERASE#

FILE 'BIOTECHDS'

L4 2191 ESTERASE#

FILE 'BIOSIS'

L5 44297 ESTERASE#

FILE 'EMBASE'

L6 14372 ESTERASE#

FILE 'HCAPLUS'

L7 33901 ESTERASE#

FILE 'NTIS'

L8 300 ESTERASE#

FILE 'ESBIOBASE'

L9 3637 ESTERASE#

FILE 'BIOTECHNO'

L10 4672 ESTERASE#

FILE 'WPIDS'

L11 2440 ESTERASE#

TOTAL FOR ALL FILES

L12 147187 ESTERASE#

=> s aquifex or pyrophilus

FILE 'MEDLINE'

163 AQUIFEX

31 PYROPHILUS

L13 163 AQUIFEX OR PYROPHILUS

FILE 'SCISEARCH'

216 AQUIFEX

79 PYROPHILUS

L14 216 AQUIFEX OR PYROPHILUS

FILE 'LIFESCI'

116 AQUIFEX  
27 PYROPHILUS  
L15 116 AQUIFEX OR PYROPHILUS

FILE 'BIOTECHDS'  
25 AQUIFEX  
7 PYROPHILUS  
L16 27 AQUIFEX OR PYROPHILUS

FILE 'BIOSIS'  
226 AQUIFEX  
50 PYROPHILUS  
L17 230 AQUIFEX OR PYROPHILUS

FILE 'EMBASE'  
150 AQUIFEX  
29 PYROPHILUS  
L18 150 AQUIFEX OR PYROPHILUS

FILE 'HCAPLUS'  
299 AQUIFEX  
54 PYROPHILUS  
L19 300 AQUIFEX OR PYROPHILUS

FILE 'NTIS'  
1 AQUIFEX  
1 PYROPHILUS  
L20 1 AQUIFEX OR PYROPHILUS

FILE 'ESBIOBASE'  
145 AQUIFEX  
26 PYROPHILUS  
L21 145 AQUIFEX OR PYROPHILUS

FILE 'BIOTECHNO'  
141 AQUIFEX  
29 PYROPHILUS  
L22 141 AQUIFEX OR PYROPHILUS

FILE 'WPIDS'  
27 AQUIFEX  
8 PYROPHILUS  
L23 28 AQUIFEX OR PYROPHILUS

TOTAL FOR ALL FILES  
L24 1517 AQUIFEX OR PYROPHILUS

=> s 112 and 124  
FILE 'MEDLINE'  
L25 1 L1 AND L13

FILE 'SCISEARCH'  
L26 0 L2 AND L14

FILE 'LIFESCI'  
L27 0 L3 AND L15

FILE 'BIOTECHDS'  
L28 2 L4 AND L16

FILE 'BIOSIS'  
L29 0 L5 AND L17

FILE 'EMBASE'

L30 0 L6 AND L18

FILE 'HCAPLUS'

L31 4 L7 AND L19

FILE 'NTIS'

L32 0 L8 AND L20

FILE 'ESBIOBASE'

L33 0 L9 AND L21

FILE 'BIOTECHNO'

L34 0 L10 AND L22

FILE 'WPIDS'

L35 1 L11 AND L23

TOTAL FOR ALL FILES

L36 8 L12 AND L24

=> dup rem l36

PROCESSING COMPLETED FOR L36

L37 5 DUP REM L36 (3 DUPLICATES REMOVED)

=> d tot

L37 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

TI Nucleic acid and polypeptide sequences for alanine 2,3-aminomutase and their use for production of  $\beta$ -alanine, pantothenate, 3-hydroxypropionic acid, and 1,3-propanediol

SO PCT Int. Appl., 119 pp.

CODEN: PIXXD2

IN Liao, Hans H.; Gokarn, Ravi R.; Gort, Steven J.; Jessen, Holly J.; Selifonova, Olga

AN 2003:591126 HCAPLUS

DN 139:144955

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2003062173	A2	20030731	WO 2003-US1635	20030117
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

L37 ANSWER 2 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

TI New isolated nucleic acid and its variants comprising specified consecutive amino acid sequences and corresponding cDNA sequences, encode polypeptides having **esterase** activity; recombinant enzyme production via plasmid expression in host cell, for ester hydrolysis

AU ROBERTSON D E; MURPHY D; REID J; MAFFIA A M; LINK S; SWANSON R; WARREN P V; KOSMATKA A

AN 2003-07813 BIOTECHDS

PI US 2002146799 10 Oct 2002

L37 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

TI Nucleic acids encoding human cyclic nucleotide-associated proteins

SO PCT Int. Appl., 78 pp.  
 CODEN: PIXXD2  
 IN Hillman, Jennifer L.; Yue, Henry; Guegler, Karl J.; Corley, Neil C.;  
 Patterson, Chandra; Tang, Y. Tom  
 AN 2000:175945 HCAPLUS  
 DN 132:218013

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000014248	A1	20000316	WO 1999-US20287	19990903
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9960263	A1	20000327	AU 1999-60263	19990903
	EP 1144648	A1	20011017	EP 1999-968683	19990903
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2003524379	T2	20030819	JP 2000-568989	19990903

L37 ANSWER 4 OF 5 MEDLINE on STN

TI Mutational analysis of the RecJ exonuclease of Escherichia coli: identification of phosphoesterase motifs.

SO Journal of bacteriology, (1999 Oct) 181 (19) 6098-102.  
 Journal code: 2985120R. ISSN: 0021-9193.

AU Sutera V A Jr; Han E S; Rajman L A; Lovett S T  
 AN 1999429858 MEDLINE

L37 ANSWER 5 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

TI New nucleic acid encoding heat stable **esterases** from thermophilic bacteria;  
 recombinant thermostable **esterases** for use in pharmaceutical, agricultural or food industries, etc.

AU Robertson D E; Murphy D; Reid J; Maffia A M; Link S; Swanson R V; Warren P V; Kosmotka A; Callen W

AN 1997-11973 BIOTECHDS  
 PI WO 9730160 21 Aug 1997

=> s 124(8a)gene/q

FILE 'MEDLINE'

L38 33 L13(8A)GENE/Q

FILE 'SCISEARCH'

L39 38 L14(8A)GENE/Q

FILE 'LIFESCI'

L40 27 L15(8A)GENE/Q

FILE 'BIOTECHDS'

L41 9 L16(8A)GENE/Q

FILE 'BIOSIS'

L42 48 L17(8A)GENE/Q

FILE 'EMBASE'

L43 29 L18(8A)GENE/Q

FILE 'HCAPLUS'

L44 110 L19(8A)GENE/Q

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FILE 'NTIS'
L45          0 L20 (8A) GENE/Q

FILE 'ESBIOBASE'
L46          28 L21 (8A) GENE/Q

FILE 'BIOTECHNO'
L47          31 L22 (8A) GENE/Q

FILE 'WPIDS'
L48          8 L23 (8A) GENE/Q

TOTAL FOR ALL FILES
L49          361 L24 (8A) GENE/Q

=> s l49 not 2002-2004/py
FILE 'MEDLINE'
      1106444 2002-2004/PY
L50          25 L38 NOT 2002-2004/PY

FILE 'SCISEARCH'
      2025850 2002-2004/PY
L51          26 L39 NOT 2002-2004/PY

FILE 'LIFESCI'
      176700 2002-2004/PY
L52          21 L40 NOT 2002-2004/PY

FILE 'BIOTECHDS'
      44267 2002-2004/PY
L53          6 L41 NOT 2002-2004/PY

FILE 'BIOSIS'
      1030583 2002-2004/PY
L54          34 L42 NOT 2002-2004/PY

FILE 'EMBASE'
      916615 2002-2004/PY
L55          20 L43 NOT 2002-2004/PY

FILE 'HCAPLUS'
      2126778 2002-2004/PY
L56          60 L44 NOT 2002-2004/PY

FILE 'NTIS'
      22626 2002-2004/PY
L57          0 L45 NOT 2002-2004/PY

FILE 'ESBIOBASE'
      575994 2002-2004/PY
L58          20 L46 NOT 2002-2004/PY

FILE 'BIOTECHNO'
      244553 2002-2004/PY
L59          22 L47 NOT 2002-2004/PY

FILE 'WPIDS'
      2133128 2002-2004/PY
L60          1 L48 NOT 2002-2004/PY

TOTAL FOR ALL FILES
L61          235 L49 NOT 2002-2004/PY

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=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

21.31

21.52

STN INTERNATIONAL LOGOFF AT 16:51:26 ON 30 JAN 2004